

**AP20 Rec'd PCT/PTO 28 APR 2006**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
	)	
Suk-Hyung Kwon et al.	)	Group Art Unit: Unassigned
	)	
Application No.: Unassigned	)	Examiner: Unassigned
	)	
Filed: April 28, 2006	)	Confirmation No.: Unassigned
	)	
For: METHOD FOR PREPARING	)	
SOPHORAE FRUCTUS EXTRACT	)	
CONTAINING ISOFLAZONE	)	

**FIRST INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98. Also enclosed is a copy of the International Search Report in connection with the related International Application.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

**U.S. Patent Documents**

- 1) WAGGLE et al., U.S. Patent Publication No. 2003/0118675 A1, published on June 26, 2003.
- 2) BRYAN et al., U.S. Patent Publication No. 2002/0015776 A1, published on February 7, 2002.

**Foreign Patent Documents**

- 1) BOMBARDELLI et al., International Patent Publication No. WO 99/06057, published on February 11, 1999.
- 2) BANG et al., Korean Patent Laid-Open Publication No. 10-2001-0081369 A, published on August 29, 2001 (with English language abstract attached).

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Non-Patent Document Literature

1) JOO et al., "Isoflavones Extracted from Sophorae fructus Upregulate IGF-1 and TGF- $\beta$  and Inhibit Osteoclastogenesis in Rat Born Marrow Cells," *Arch. Pharm. Res.*, 2004, vol. 27, no. 1, pp. 99-105, Archives of Pharmacal Research, Seoul, Republic of Korea.

2) JOO et al., "Inhibition of IL-1 $\beta$  and IL-6 in Osteoblast-Like Cell by Isoflavones Extracted from Sophorae fructus," *Arch. Pharm. Res.*, 2003, vol. 26, no. 12, pp. 1029-35, Archives of Pharmacal Research, Seoul, Republic of Korea.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BUCHANAN INGERSOLL PC

Date April 28, 2006

By:

  
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# **FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

1

of

**Complete if Known**

Application Number	Unassigned
Filing Date	April 28, 2006
First Named Inventor	Suk-Hyung Kwon et al.
Examiner Name	Unassigned
Attorney Docket Number	1012679-000118

**U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	2003/0118675	A1	WAGGLE et al.	06-26-2003
	2002/0015776	A1	BRYAN et al.	02-07-2002

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	99/06057		International	02-11-1999				X			
	10-2001-0081369	A	Republic of Korea	08-29-2001				X		X	

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	JOO et al., "Isoflavones Extracted from Sophorae fructus Upregulate IGF-1 and TGF- $\beta$ and Inhibit Osteoclastogenesis in Rat Bone Marrow Cells," <i>Arch. Pharm. Res.</i> , 2004, vol. 27, no. 1, pp. 99-105, Archives of Pharmacal Research, Seoul, Republic of Korea.
	JOO et al., "Inhibition of IL-1 $\beta$ and IL-6 in Osteoblast-Like Cell by Isoflavones Extracted from Sophorae fructus," <i>Arch. Pharm. Res.</i> , 2003, vol. 26, no. 12, pp. 1029-35, Archives of Pharmacal Research, Seoul, Republic of Korea.

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.